다음 복도수를 계산한 다음, 글래표 형식화 나타내어나. $\frac{\pi}{9} > \cos \frac{\pi}{9} + i \sin \frac{\pi}{9} = e^{i\frac{\pi}{9}} \Rightarrow (\cos \frac{\pi}{9} + i \sin \frac{\pi}{9})^{12} = (e^{i\frac{\pi}{9}})^{12} = e^{i\frac{\pi}{9}} = e^{i\frac{\pi}{9}}$ (1) (cos = + Tsin=)12 (2 (cos = + Tsin=))35 $2(\cos \frac{\pi}{6} + i \sin \frac{\pi}{6}) = 2e^{i\frac{\pi}{6}} + i \sin \frac{\pi}{6})^{2} = (2e^{i\frac{\pi}{6}})^{2} = (2e^{i\frac{\pi}{6}})^{2} = 32e^{i\frac{\pi}{6}\pi}$ $\therefore (\cos \frac{\pi}{6} + i \sin \frac{\pi}{6})^{2} = 32e^{i\frac{\pi}{6}\pi}$ $\frac{\mathbb{Z}_{0}}{\mathbb{Z}_{0}} = \frac{1}{2} \left[\frac{1}{2} \left(\cos \frac{\pi}{6} + i \sin \frac{\pi}{6} \right)^{1/2} \left(\cos \frac{\pi}{6} + i \sin \frac{\pi}{6} \right)^{1/2} \right]$ 发: 32e¹节 = 32 4 世 = (1653,16) $= e^{i\frac{4}{3}\pi} \times 32e^{i\frac{5}{6}\pi} = 32e^{i(\frac{4}{3}\pi + \frac{5}{6}\pi)} = 32e^{i\frac{13}{6}\pi}$ = 32e¹(21(+16)) = 32e¹⁶ 三对的=号对在对约 (2) [8(cos 3/1 + TSIN 3/1)]3 [2(cos Th + i sin Th)]10 Ø 2= x+Ty € \$ Chel Hel 到) 8(cos 3 T + T STN 3 T) = 8e 3 T = (2,4)年对正对龙 [8(cos 3 TL+Tsin 3 TL) 4 = 83 eight = トムのドラオリーランをあり 2(cost + isin t) = 2eit = reto = 24 of [2 C COSTE + TSTN TG) 710 = 210 et &TL $\frac{\int 3 \cos \frac{3}{8} \pi + i \sin \frac{3}{8} \pi)^{\frac{3}{4}}}{\int 2 \cos \frac{\pi}{16} + i \sin \frac{\pi}{16})^{\frac{3}{10}}} = \frac{2^9 e^{i\frac{9}{8}\pi}}{2^{10} e^{i\frac{5}{8}\pi}} = \frac{1}{2} e^{i\frac{4}{8}\pi} = \frac{1}{2} e^{i\frac{1}{2}\pi}$ $\exists : \frac{1}{2}e^{i\frac{1}{2}\pi} = \frac{1}{2} \angle \overline{z} = (0, \frac{1}{2})$ $374 \pm 36 \text{ h}$ $(y = \frac{1}{2} \sin \pi = \frac{1}{2})$